SIGNALS

1-6 7

12" 8"

SIGNS

8

Naylors LN →

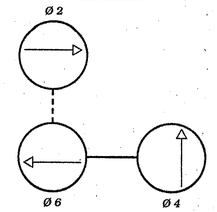
9

← Naylors LN

D-3(1)
16" x Var.

MD 140 is considered to run in a North/South direction.

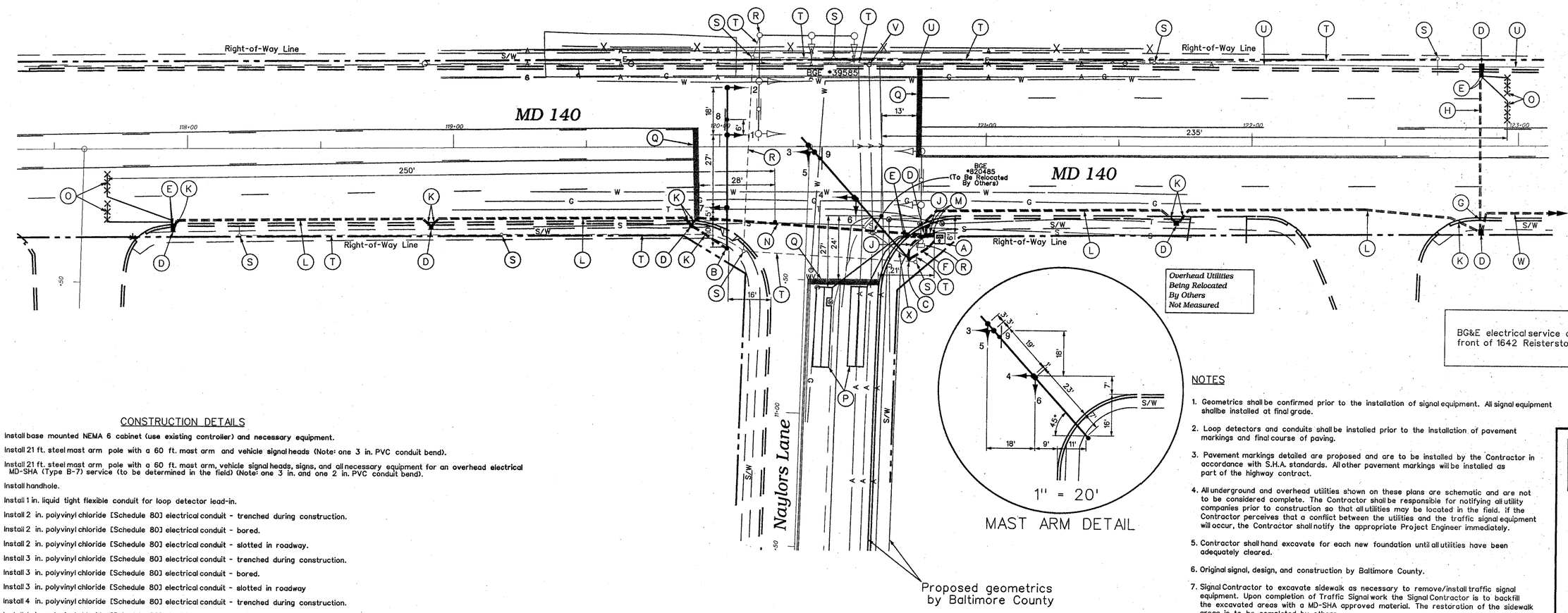
NEMA PHASING



FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet (use existing controller) and necessary equipment.
B. Install 21 ft. steel mast arm pole with a 60 ft. mast arm and vehicle signal heads (Note: one 3 in. PVC conduit bend).
C. Install 21 ft. steel mast arm pole with a 60 ft. mast arm, vehicle signal heads, signs, and all necessary equipment for an overhead electrical MD-SHA (Type B-7) service (to be determined in the field) (Note: one 3 in. and one 2 in. PVC conduit bend).
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway
M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
N. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway
O. Install microloop probe.
P. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
Q. Install 24 in. wide pavement marking - white for stop line.
R. Remove existing mast arm pole and all attached equipment.
S. Remove existing splice box.
T. Cap and abandon existing conduit.
U. Remove existing overhead interconnect.
V. Remove existing PVC riser used for interconnect.
W. Installed as part of Interconnect Plan.
X. Proposed overhead electrical service by BG&E.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment shallbe installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings and final course of paving.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
5. Contractor shall hand excavate for each new foundation until all utilities have been adequately cleared.
6. Original signal, design, and construction by Baltimore County.
7. Signal Contractor to excavate sidewalk as necessary to remove/install traffic signal equipment. Upon completion of Traffic Signal work the Signal Contractor is to backfill the excavated areas with a MD-SHA approved material. The restoration of the sidewalk areas is to be completed by others.

The Traffic Group

The Traffic Group, Inc.
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Job. No. 970727-026
SIG.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
D — D — STORM DRAIN
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION — 12/7/99

ASST. DISTRICT ENGINEER - TRAFFIC — 12.7.99

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY — 12.7.99

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 140 at Naylors Lane

DATE: December 7, 1999 — LOG MILE • 03014001.52

DRAWN BY:	FJH/JES	F.A.P. NO.	SEE TITLE SHEET	PLAN SHEET NO.:	SHEET NO.
CHK. BY:		S.H.A. NO.	BA3035183	2345A	30 of 81
SCALE:	1" = 20'	COUNTY:	Baltimore		

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